

Title (en)  
IMPELLOR OF STIRRING DEVICE AND STIRRING DEVICE USING SAME

Title (de)  
IMPELLER EINER RÜHRVORRICHTUNG UND RÜHRVORRICHTUNG DAMIT

Title (fr)  
ROUE D'UN DISPOSITIF D'AGITATION ET DISPOSITIF D'AGITATION L'UTILISANT

Publication  
**EP 2829316 A4 20151118 (EN)**

Application  
**EP 13764547 A 20130206**

Priority  
• KR 20120029030 A 20120321  
• KR 2013000938 W 20130206

Abstract (en)  
[origin: EP2829316A1] Provided are an impeller of a stirring device, and a stirring device using the same. More particularly, the stirring device includes the impeller of the stirring device having a shaft and a cone installed on the shaft, slowly flows an object to be stirred such as a polymer, which has fallen from a nozzle along the cone, and effectively removes air bubbles included in the object to be stirred.

IPC 8 full level  
**B01F 25/74** (2022.01)

CPC (source: EP KR US)  
**B01F 25/72** (2022.01 - KR US); **B01F 25/7411** (2022.01 - EP US); **B01F 27/11451** (2022.01 - EP US); **B01F 27/80** (2022.01 - KR US); **B01F 27/923** (2022.01 - EP US); **B01F 35/189** (2022.01 - EP US); **B29B 7/14** (2013.01 - EP); **B29B 7/16** (2013.01 - EP)

Citation (search report)  
• [X] JP S62269717 A 19871124 - MATSUSHITA ELECTRIC WORKS LTD  
• [X] JP 2001205066 A 20010731 - MATSUSHITA ELECTRIC WORKS LTD  
• [X] SU 1150014 A1 19850415 - KI T I LEGKOJ PROMY [SU]  
• [X] US 3415650 A 19681210 - FRAME GORDON F, et al  
• [X] CH 306127 A 19550331 - SUPRATON GMBH DEUTSCHE [DE]  
• [X] FR 1009009 A 19520526  
• [X] DE 2300205 A1 19730726 - HITACHI LTD  
• [X] KR 910000604 Y1 19910131 - YUN JIN GYU [KR]  
• [A] JP 2010058088 A 20100318 - OKAWARA MFG  
• See references of WO 2013141480A1

Cited by  
CN110433719A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2829316 A1 20150128; EP 2829316 A4 20151118**; CN 104203384 A 20141210; JP 2015514569 A 20150521; KR 101377440 B1 20140325; KR 20130107161 A 20131001; US 2015023128 A1 20150122; WO 2013141480 A1 20130926

DOCDB simple family (application)  
**EP 13764547 A 20130206**; CN 201380015822 A 20130206; JP 2015501561 A 20130206; KR 20120029030 A 20120321; KR 2013000938 W 20130206; US 201314382610 A 20130206